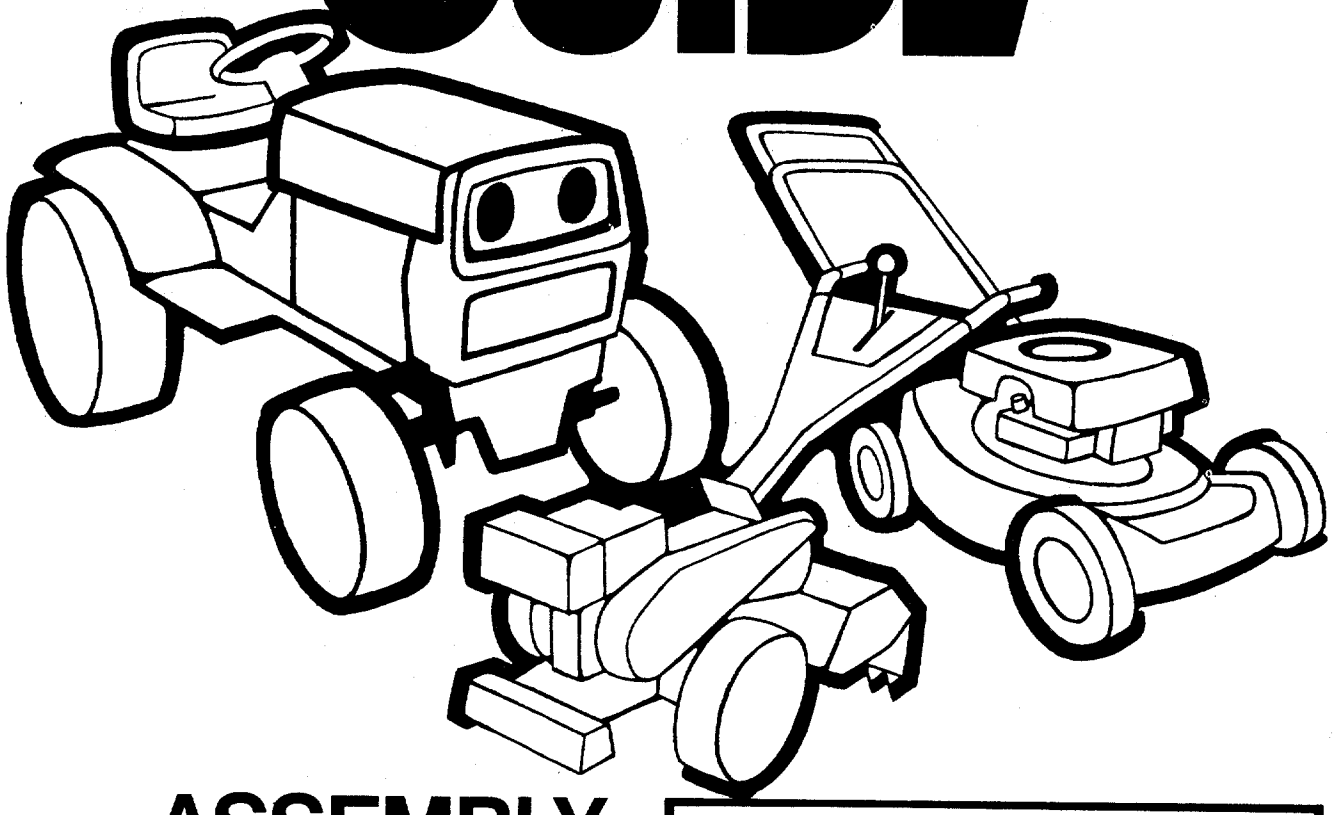
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OWNER'S GUIDE



ASSEMBLY
OPERATION
MAINTENANCE
PARTS LIST

IMPORTANT:
Read Safety Rules and Instructions

MODEL NUMBER 120-280A

21″ SELF-PROPELLED ROTARY MOWER

PRINTED IN U.S.A.

FORM NO. 770-0212

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LIMITED WARRANTY

For one year from the date of original retail purchase, MTD PRODUCTS INC will either repair or replace, at its option, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. Transportation charges for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by MTD PRODUCTS INC.

This warranty will not apply to any part which has become inoperative due to misuse, excessive use, accident, neglect, improper maintenance, alterations, or unless the unit has been operated and maintained in accordance with the instructions furnished. This warranty does not apply to the engine, motor, battery, battery charger or component parts thereof. Please refer to the applicable manufacturer's warranty on these items.

This warranty will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please write to the Customer Service Department of MTD.

The return of a complete unit will not be accepted by the factory unless prior written permission has been extended by MTD.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.



WARNING

TO PURCHASERS
OF INTERNAL COMBUSTION ENGINE EQUIPPED
MACHINERY OR DEVICES IN THE STATE OF CALIFORNIA

The equipment which you have just purchased does not have a spark arrester. If this equipment is used on any forest covered land, brush covered land, or grass covered unimproved land in the State of California, before using on such land, the California law requires that a spark arrester be provided. In addition, spark arrester is required by law to be in effective working order. The spark arrester must be attached to the exhaust system and comply with Section 4442 of the California Public Resources Code.

IMPORTANT

It is suggested that this manual be read in its entirety before attempting to assemble or operate. Keep this manual in a safe place for future reference and for ordering replacement parts.

This unit is shipped WITHOUT GASOLINE or OIL. See operating section of this manual for proper fuel and engine oil recommendations.

Your rotary mower is a precision piece of power equipment, not a plaything. Therefore, exercise extreme caution at all times.

SAFE OPERATION PRACTICES FOR WALK-BEHIND MOWERS

TRAINING

1. Read the Operating and Service Owner's Manual carefully. Be thoroughly familiar with the controls and the proper use of the equipment.
2. Never allow children to operate a power mower. Only persons well acquainted with these rules of safe operation should be allowed to use your mower.
3. Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your mower. Although the area of operation should be completely cleared of foreign objects, a small object may have been overlooked and could be accidently thrown by the mower in any direction.

PREPARATION

1. Thoroughly inspect the area where the equipment is to be used. Remove all stones, sticks, wire, bones and other foreign objects which could be picked up and thrown by the mower in any direction.
2. Do not operate equipment when barefoot or wearing open sandals. Always wear substantial footwear.
3. Do not wear loose fitting clothing that could get caught on the mower.
4. Check the fuel before starting the engine. Do not fill the gasoline tank indoors, when the engine is running, or while the engine is still hot. Wipe off any spilled gasoline before starting the engine.
5. Disengage the self-propelled mechanism or drive clutch on units so equipped before starting the engine.
6. Never attempt to make a wheel or cutting height adjustment while the engine is running.
7. Mow only in daylight or in good artificial light.
8. Never operate the equipment in wet grass. Always be sure of your footing. Keep a firm hold on the handle and walk, never run.

OPERATION

1. Do not change the engine governor settings or overspeed the engine. Excessive engine speeds are dangereous.
2. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
3. Stop the blade(s) when crossing gravel drives, walks or roads.
4. After striking a foreign object, stop the engine, remove the wire from the spark plug, and thoroughly inspect the mower for any damage. Repair the damage before restarting and operating the mower.
5. If the equipment should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.
6. Stop the engine whenever you leave the mower, before cleaning the mower housing, and when making any repairs or inspections.
7. When cleaning, repairing or inspecting, make certain the blade and all moving parts have stopped. Disconnect the spark plug wire, and keep the wire away from the plug to prevent accidental starting.
8. Before attempting to unclog the mower or discharge chute, stop the engine and be sure the blade(s) have stopped completely. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
9. Do not run the engine indoors.
10. Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher or unclogging chute.
11. Mow across the face of slopes, never up-and-down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes.
12. Always disconnect electric mowers (line operated) before cleaning, repairing or adjusting.
13. Never operate mower without proper guards, plates or other safety protective devices in place.
14. Keep washout ports and other mower-housing service openings closed when mowing.

MAINTENANCE AND STORAGE

1. Check the blade and engine mounting bolts at frequent intervals for proper tightness.
2. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
3. Never store the equipment with gasoline in the tank inside of a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
4. To reduce fire hazard, keep the engine free of grass, leaves, or excessive grease.
5. Check the grass catcher bag frequently for wear or deterioration. For safety protection replace only with new bag meeting original equipment specifications.

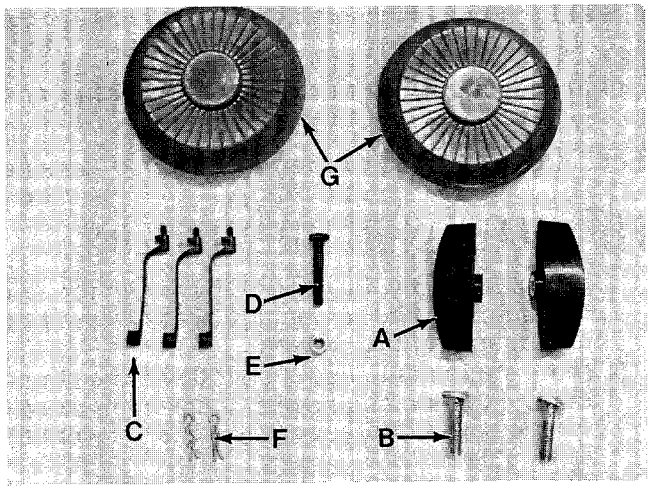


FIGURE 1.

ASSEMBLY INSTRUCTIONS

Contents of Hardware Pack

A (2) Hand Knobs
B (2) Curved Carriage Bolts 5/16-18 x 1.75" Long
C (3) Cable Ties
D (1) Hex Screw ¼-20 x 1.50" Long
E (1) Hex Center Lock Nut ¼-20 Thd.
F (2) Hairpin Cotters
G (2) Hub Caps (Front Wheels)

1. Remove the lawn mower, loose parts, hardware pack and literature from the carton. Make certain all parts and literature have been removed before the carton is discarded.

2. Extend throttle control which is attached to the engine at the rear of the mower and place on the floor. Be careful not to bend or kink control wire.

3. Fasten lower handle in position over weld pins in handle mount brackets on deck. Secure with hairpin cotters in inner hole on weld pin. See figure 2.

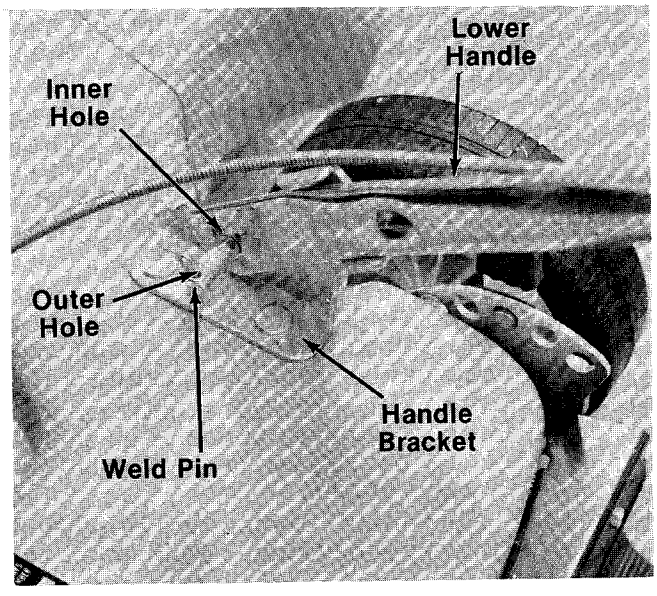


FIGURE 2.

NOTE

There are two (2) holes in the handle mount brackets. Place the lower handle against the brackets and secure with hairpin cotter in the inner hole. Inner hole is for operation. Outer hole is for storage.

NOTE

It may be necessary to pull open the ends of the lower handle. This will insure a tight fit when assembled into handle mount brackets.

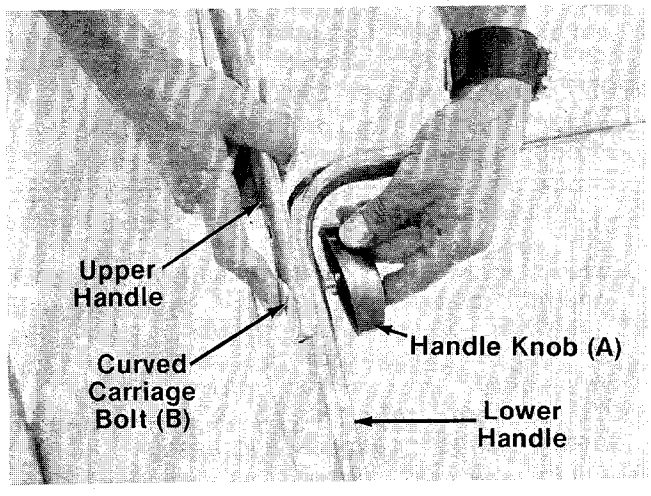


FIGURE 3.

4. Place upper handle with the clutch control attached in position over lower handle. Secure with two curved carriage bolts (B) and hand knobs (A) as shown in figure 3. The knobs can be either to the inside or the outside of the handle.

NOTE

There are two height positions for the handle. See adjustment section.

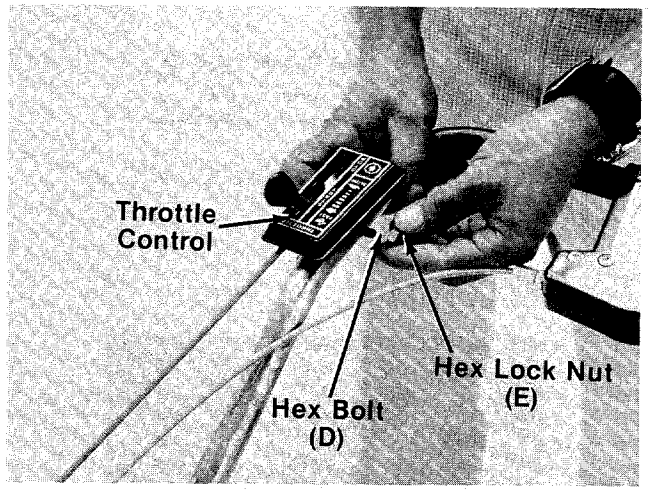


FIGURE 4.

5. Place the throttle control in position on the **right** hand side of upper handle. Secure with hex bolt (D) and hex lock nut (E) provided. See figure 4.

NOTE

Reference to left or right side of machine is from operator's position at the handle facing forward.

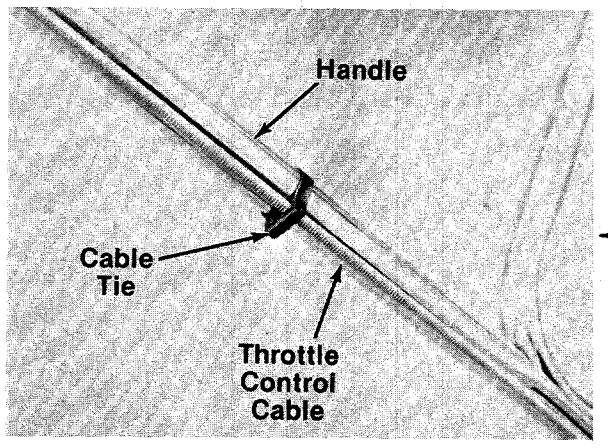


FIGURE 5.

6. Secure throttle control cable to handle with ties (C) provided. See figure 5.
7. Check ALL nuts and bolts for correct tightness.
8. Place hub caps (G) in position on front wheels and tap on.

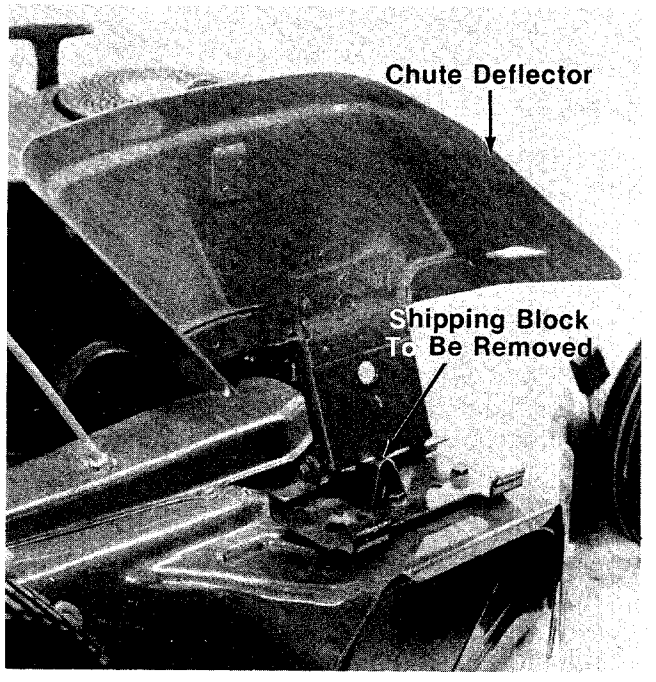


FIGURE 6.

CAUTION

Please note that the chute deflector on your mower is in an upright position. It is held in that position by a shipping block. This block is used for shipping purposes only. It must be removed and discarded before your mower is put into operation. See figure 6.

CONTROLS

THROTTLE CONTROL

The throttle control is located on the right side of the handle. See figure 7. It is used to regulate the engine speed and to stop the engine.

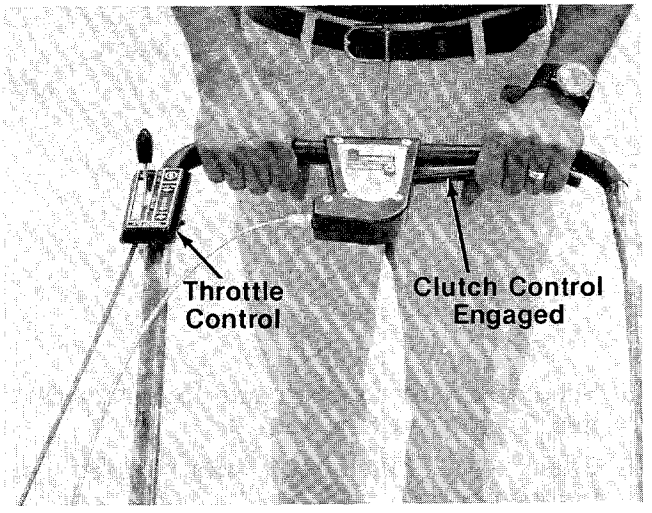


FIGURE 7.

CLUTCH CONTROL

Squeezing the clutch control engages the drive mechanism to the rear wheels. Releasing the clutch control stops the rear wheels from driving. Release the clutch control to slow down when negotiating an obstacle, making a turn or stopping. See figures 7 and 8.

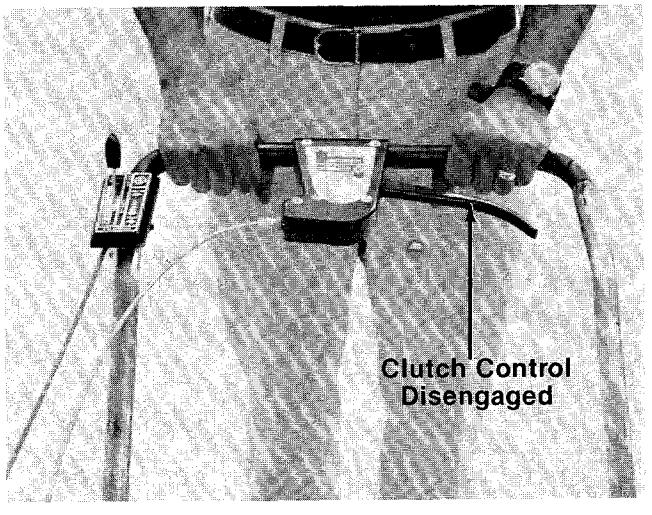


FIGURE 8.

WARNING

The blade continues to rotate when the clutch is released.

OPERATION

CAUTION

DO NOT OPERATE MOWER UNLESS GUARD OR ENTIRE GRASS CATCHER IS IN ITS PROPER PLACE.



FIGURE 9.

Keep hands and feet away from the chute area on cutting deck. See figure 9.

NOTE

For shipping purposes your mower is set with the wheels in a low cutting height position. For best results, raise the cutting position until it is determined which height is best for your lawn. See adjustment section.

BEFORE STARTING

1. Before each use, check for proper clutch operation by performing the following before starting the engine:

 With the clutch control released, push mower forward. It should move freely.

Pull mower backward. It should move freely.

If it does not and the rear wheels tend to lock up, the clutch may not be releasing completely. Do not attempt to start the engine until corrections have been made. Check the control cable for severe bend, kinks and binding, grass build up in the pulley groove. Be certain the cable housing is secure in the socket on the belt cover.

Correct and adjust as required. See adjustment section. Test again.

2. Check to see that the handle is in the operating detent in the brackets on the deck, and the upstop projections restrict the handle from moving up and forward. If necessary, remove the left side from the mounting pin on the deck bracket. Push inward to decrease the spacing between the two sides of the handle until it is slightly less than the spacing of the deck brackets. Reinstall over the mounting pin and secure the hair cotter pin in the inner holes.
3. Fill sump with oil, using a high quality detergent oil classified "For Service SC, SD, SE or MS." Use SAE 30, SAE 10W-30 or SAE 10W-40 viscosity grade oil. Nothing should be added to the recommended oil.

CHECK OIL LEVEL before starting engine and after every 5 hours of operation.

ADD oil as necessary to keep level FULL TO POINT OF OVERFLOWING.

Before removing oil fill plug, clean area around plug to prevent dirt from entering oil fill hole.

Engine should be in a level position when checking oil.

CHANGE OIL after first 5 hours of operation. Thereafter change every 25 hours. Change oil while engine is warm. Oil may be drained thru drain on bottom of engine. To drain completely, always place engine level when draining thru the bottom. Oil capacity 1-1/4 pints. See figure 10.

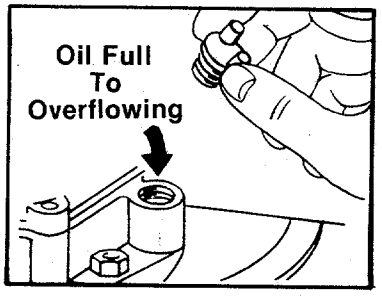


FIGURE 10.

4. **Fill Fuel Tank,** using clean, fresh, lead-free or leaded "regular" grade automotive gasoline. Fill tank completely.

 DO NOT MIX OIL WITH GASOLINE.

TO START ENGINE

1. Move throttle control lever to "START" position.
2. Place foot on the left side of the deck and hold handle to prevent tipping the unit. Grasp starter handle and pull out rapidly. Return it slowly to the engine. Repeat if necessary.

WARNING

When starting the unit, place the unit facing a solid object to stop it if it is not correctly adjusted to be in "NEUTRAL" position. If the unit shows signs of motion without engaging the clutch control, shut off the engine immediately. Readjust the clutch control as necessary. See adjustment section.

NOTE

This engine features a unique Automatic Choke. In case of flooding, move control to "STOP" and pull starter six times. Then move control to "START" position and start engine. If engine continues to flood, rotate the carburetor needle valve 1/8 turn clockwise to obtain a leaner mixture. See Carburetor Adjustment on page 9.

TO STOP ENGINE

1. Move throttle control lever to "STOP" position.
2. Remove spark plug wire from spark plug and ground to prevent accidental starting while equipment is unattended.

Be sure that lawn is clear of stones, sticks, wire, or other objects which could damage lawn mower or engine. For best results and to insure more even grass distribution, do not mow when lawn is excessively wet.

IMPORTANT

After striking a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

ADJUSTMENTS

CAUTION

Do not at any time make any adjustment to lawn mower without first stopping engine and disconnecting spark plug wire.

EASY CUTTING HEIGHT

An adjusting plate and thumb lever at each wheel position provides cutting height adjustment. Each adjusting plate has five holes. Height of cut will be changed when the thumb lever is moved from one hole to another. Simply depress thumb lever towards wheel and move wheel and lever assembly to desired position. All wheels must be placed in the same relative position. See figure 11.

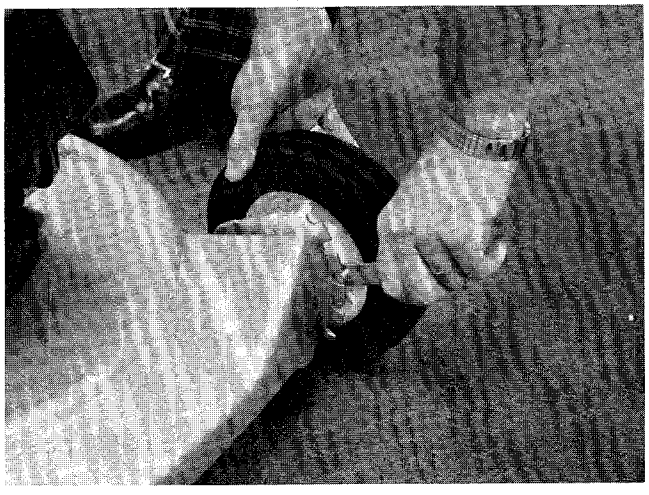


FIGURE 11.

CLUTCH CONTROL ADJUSTMENT

1. To increase belt tension, loosen jam nut and back off two or three threads. Thread the barrel nut on end of control cable outward two or three threads. Retighten jam nut. See figure 12.

2. To decrease belt tension, loosen jam nut and back off two or three threads. Thread the barrel nut on end of control cable inward two or three threads. Retighten jam nut. See figure 12.

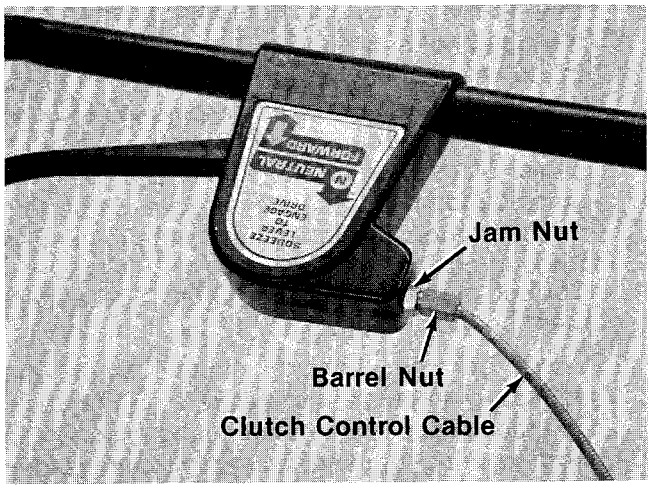


FIGURE 12.

THROTTLE

If adjustment becomes necessary, the throttle control wire assembly can be reset as follows:

1. Loosen, but do not remove, the screw securing throttle control wire assembly at engine.
2. Move throttle control lever on handle to "FAST" position.
3. Move lever to which control wire is fastened at engine to full open position. Retighten screw to secure throttle control wire assembly.

HANDLE POSITION

The upper handle can be adjusted to a high or low position. The operator of the lawn mower can easily adjust the handle position by unscrewing the two knobs, removing the two bolts and reassembling in the other position. No tools are necessary to make this adjustment. See figure 13.

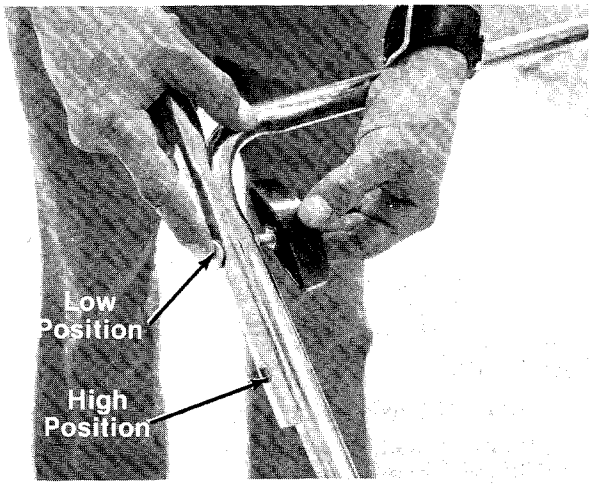


FIGURE 13.

WARNING

If any adjustments are made to the engine while the engine is running (e.g. carburetor), disengage all clutches and blades. Keep clear of all moving parts. Be careful of heated surfaces and muffler.

CARBURETOR ADJUSTMENTS (See figure 14.)

Minor carburetor adjustment may be required to compensate for differences in fuel, temperature, altitude and load.

All carburetor adjustments should be made with the air cleaner on engine. Air cleaner mounting screw must be in carburetor when engine is run. Best adjustment is made with a fuel tank half full of gasoline.

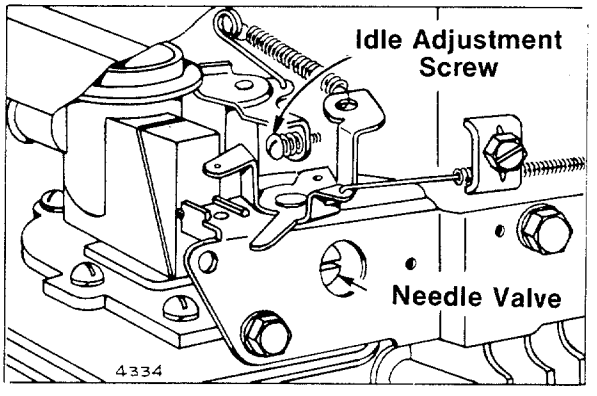


FIGURE 14.

To Adjust Carburetor:

1. Start engine and run long enough to warm it to operating temperature.

 If engine is out of adjustment so that it will not start, close the needle valve by turning it clockwise. Then open needle valve 1-1/2 turns counterclockwise.

2. Move engine control to run engine at normal operating speed.
 a. Turn needle valve in clockwise until engine starts to lose speed (lean mixture).
 b. Then slowly turn needle valve out counterclockwise past the point of smoothest operation until engine just begins to run unevenly (rich mixture).
 c. Turn needle valve back in clockwise very slowly till engine runs evenly.
 d. Final adjustment of the needle valve should be slightly to the rich side (turn counterclockwise) of the mid-point.
3. Move engine control to SLOW. Turn idle adjusting screw until a fast idle is obtained (1750 R.P.M.).
4. To check adjustment, move engine control from SLOW to FAST speed. Engine should accelerate smoothly. If engine tends to stall or die out, increase idle speed or readjust carburetor, usually to a slightly richer mixture.

LUBRICATION

IMPORTANT

Always stop engine and disconnect spark plug wire before cleaning, lubricating or doing any kind of work on lawn mower.

Wheels—Wheel bearings are of self-lubricating Fortiflex. They require no lubrication.

Engine—Follow engine manual for lubrication instructions.

Chain—To lubricate the chain, remove the chain. Soak the chain in kerosene or a solvent, and let it air dry. Wipe the chain with a rag saturated with SAE 30 oil. Reassemble the chain to the sprockets. Closed end of the master link clip should face in direction of chain travel.

If the rotary mower is operated in a sandy area, the chain should not be lubricated. Excessive oil on a chain will collect dirt and cause excessive wear on the chain and sprockets.

Discharge Chute Mechanism—The torsion spring and pivot point should be lubricated periodically with light oil to prevent any rust or binding. Chute must work freely.

MAINTENANCE

CUTTING BLADE

The blade may easily be removed for sharpening or replacement as follows:

1. Remove the center bolt and center lock washer holding the blade and adapter to the engine crankshaft.
2. Remove the blade and adapter from the crankshaft.
3. Be careful not to lose the key on the crankshaft. See figure 15.
4. Remove the two smaller bolts, lock washers and nuts holding the blade to the adapter. See figure 15.

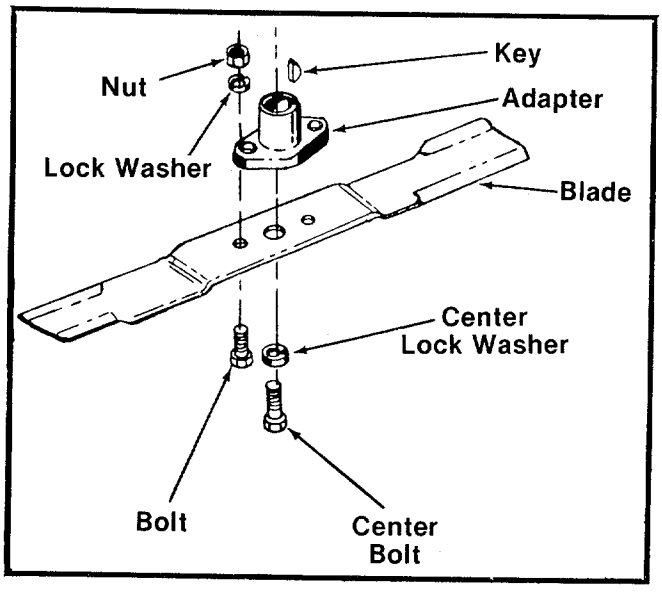


FIGURE 15.

When sharpening blade, follow the original angle of grind as a guide. It is extremely important that each cutting edge receives an equal amount of grinding to prevent an unbalanced blade. An unbalanced blade will cause excessive vibration when rotating at high speeds and may cause damage to the mower.

The blade can be tested for balance by balancing it on a screwdriver. Remove metal from the heavy side until it balances evenly. See figure 16.

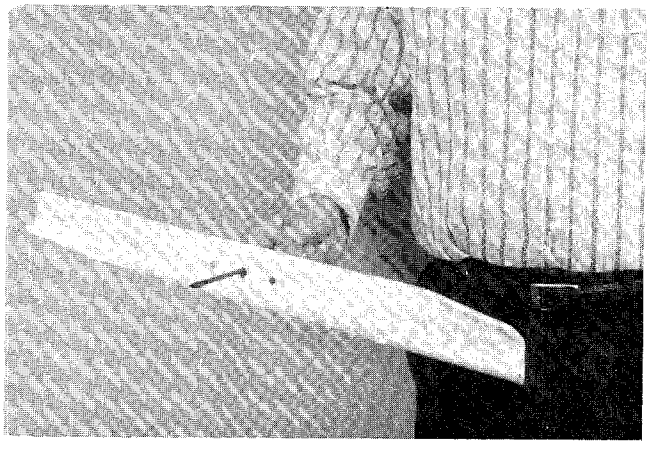


FIGURE 16.

NOTE

When replacing the blade, be sure the side of the blade marked "Bottom" or having the part number is facing the ground when the mower is in the operating position.

To insure safe operation of your unit, ALL nuts and bolts must be checked periodically for correct tightness.

DECK

The underside of mower deck should be cleaned after each period of use as grass clippings, leaves, dirt and other matter will accumulate. This accumulation of grass clippings, etc., is undesirable as it will invite rust and corrosion and may cause an uneven discharge of grass clippings at the next cutting.

Pay particular attention to the area of the idler pulley. Grass may accumulate in this area and must be cleaned out periodically to prevent possible problems with the clutch engagement.

The deck and idler pulley area may be cleaned by tilting the mower forward or on its side and scraping clean with a suitable tool or by washing with a stream of water from a garden hose.

CAUTION

Do not direct the stream of water at a hot engine as damage to the engine may result. Be sure spark plug wire is disconnected.

AIR CLEANER

CLEAN AIR CLEANER and re-oil element every 25 hours under normal conditions. Clean every few hours under extremely dusty conditions. Poor engine performance and flooding usually indicates that the air cleaner should be serviced. See figure 17.

1. Remove screw.
2. Remove air cleaner carefully to prevent dirt from entering carburetor.
3. Take air cleaner apart and clean.
 a. WASH foam element in kerosene or a liquid detergent and water to remove dirt.
 b. DRY foam completely by wrapping and squeezing in a cloth.
 c. SOAK foam with engine oil. Squeeze to distribute and remove excess oil.
4. Reassemble parts and fasten to carburetor.

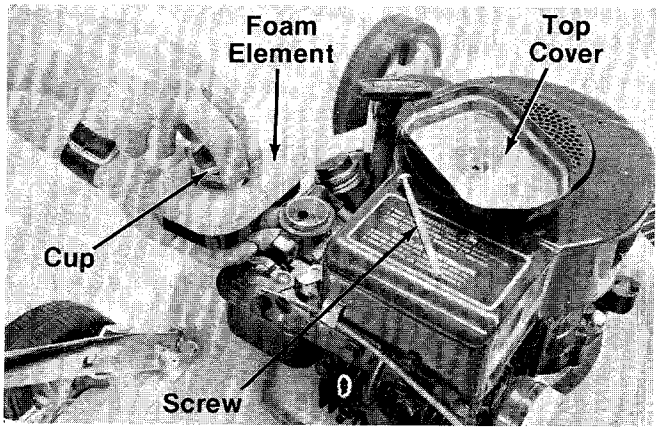


FIGURE 17.

SPARK PLUG

The spark plug gap should be cleaned (see figure 18) and reset to a 0.030-inch clearance once a season (see figure 19). Spark plug replacement is recommended at the start of each mowing season; check engine parts list for correct plug type.

NOTE

Whenever the spark plug is removed for cleaning, it is advisable to replace the spark plug gasket with a new gasket.

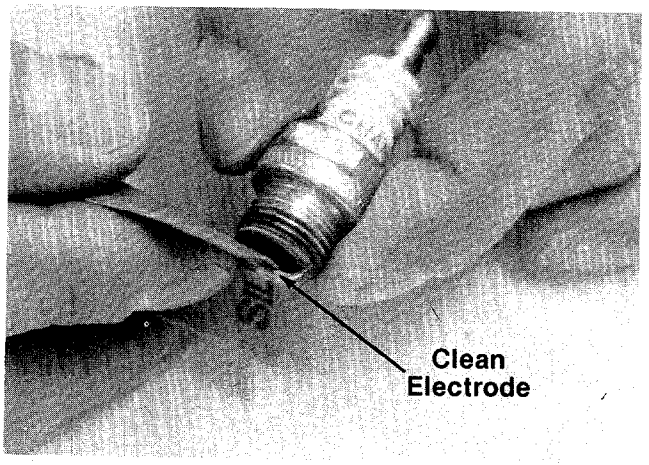


FIGURE 18.

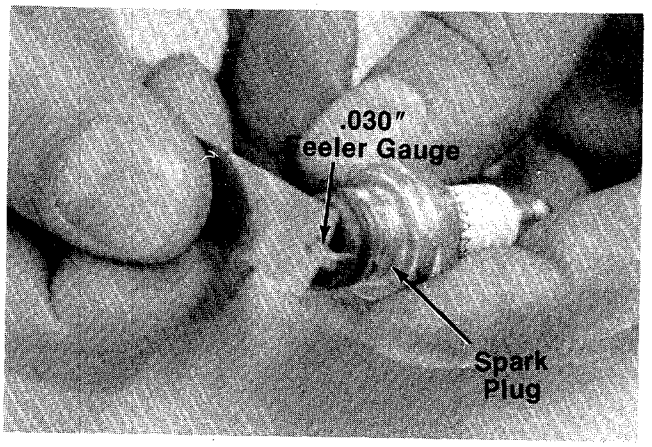


FIGURE 19.

BELT REMOVAL

1. Be sure spark plug wire is removed from spark plug.
2. Place a piece of plastic film under gas cap and tighten it. The plastic prevents gasoline from draining from the air vent in the cap.
3. Tip the mower on its left side. Remove the cutting blade by removing the center bolt and lock washer. A 9/16" wrench is required. See figure 20.

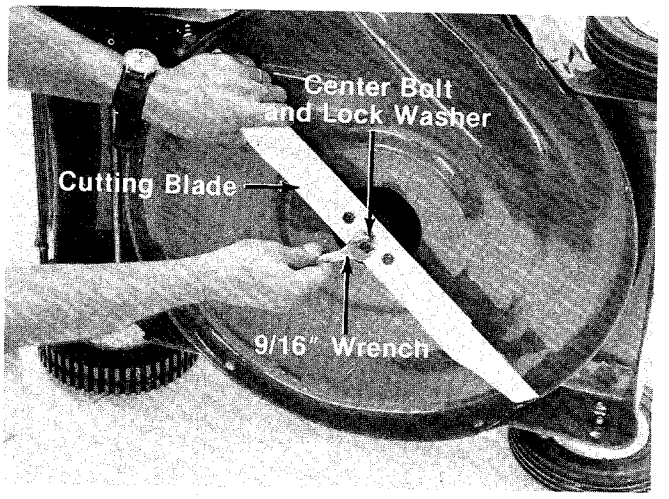


FIGURE 20.

4. Remove four carriage bolts, nuts and lock washers holding the lower deck to the upper deck. A ½" wrench is required. See figure 21.

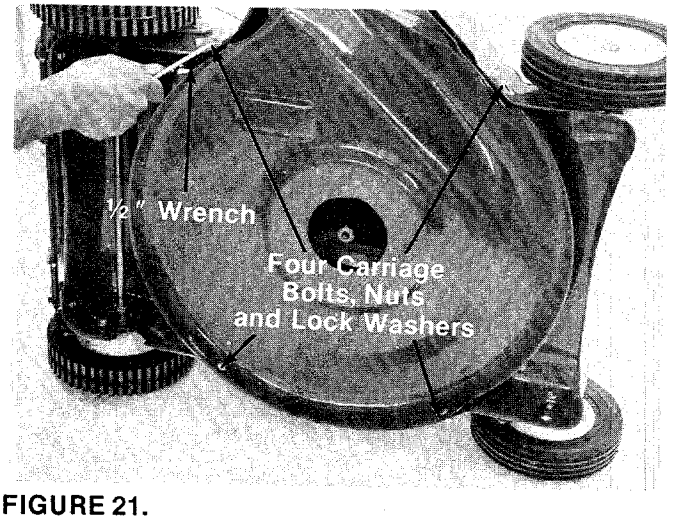


FIGURE 21.

5. Remove the right hand rear wheel hub cap by removing four screws. A phillips screwdriver is required. See figure 22.

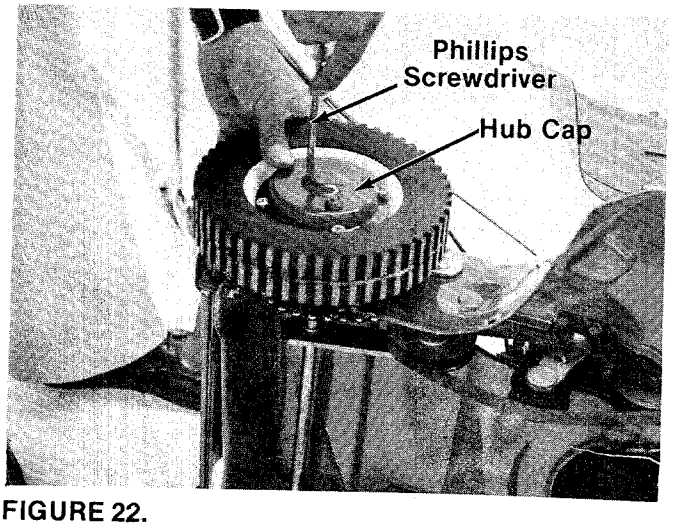


FIGURE 22.

6. Remove cotter pin and ratchet. A pair of pliers is required. See figure 23.

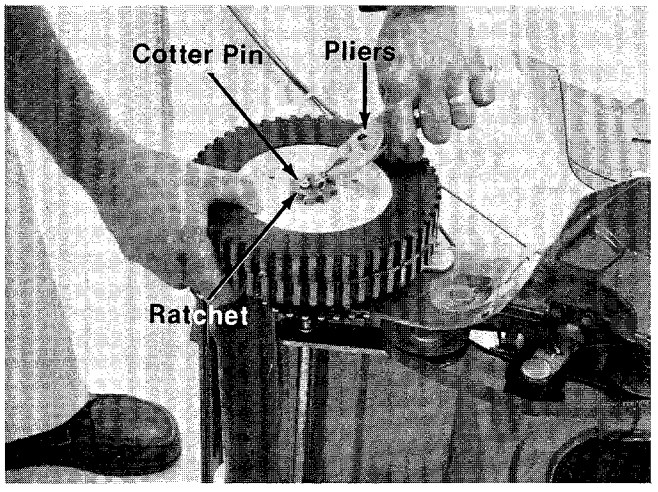


FIGURE 23.

7. Lift the rear wheel off the rear axle.

8. Remove the pivot bracket assembly. A 9/16" wrench is required. Remove the hex lock nut as shown in figure 24.

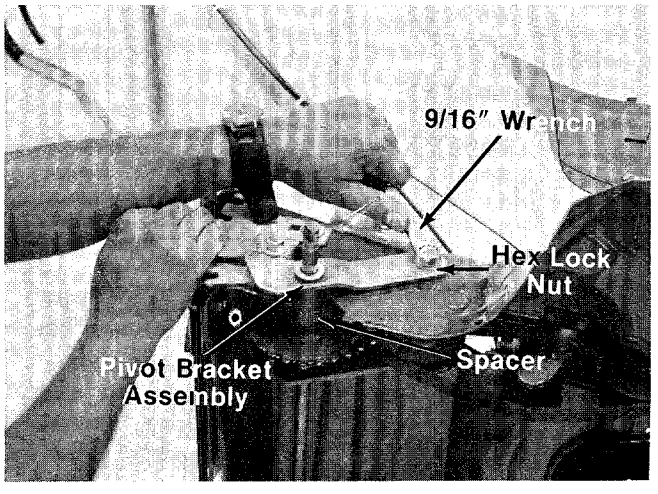


FIGURE 24.

9. Lift off the pivot bracket assembly and spacer. See figure 24.

10. Slide the support link down the rear axle, removing it from the side of deck and pulley sprocket assembly. See figure 25.

11. Remove the spacer from pulley sprocket assembly. See figure 25.

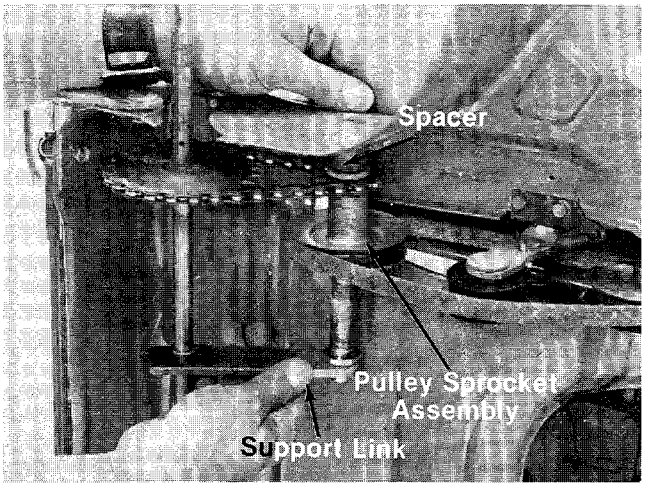


FIGURE 25.

12. Lift the chain off the sprocket as shown in figure 26. Lift the V-belt off the pulley sprocket assembly. See figure 26.

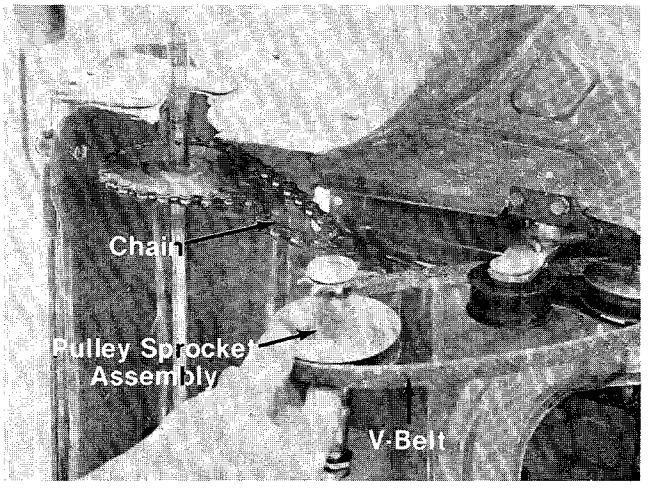


FIGURE 26.

13. Lift the V-belt off the engine pulley and idler pulley. See figure 27.

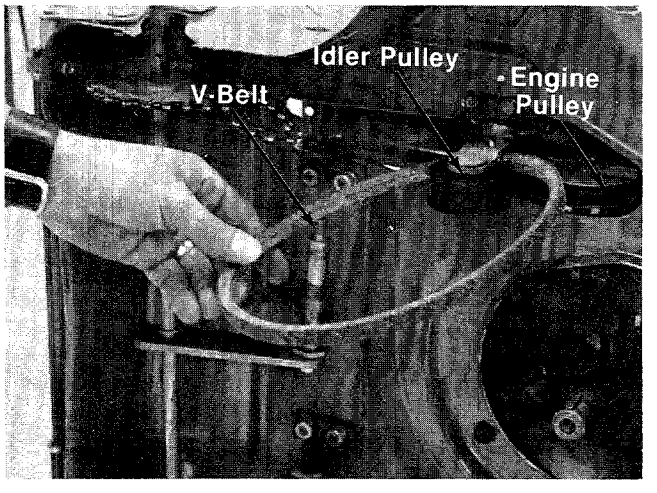


FIGURE 27.

14. Reassemble new belt in reverse order.

CAUTION

Be sure to remove plastic from beneath gas cap.

HANDLE STORAGE

The handle can be stored in an upright position to take less space. See figure 28. Move hairpin cotters to outer hole on weld pins (see figure 2). Grasp the lower handle at the bottom and press inward slightly. Tip the handle forward. It will lock in this position. Reverse this procedure to place the handle in the operating position.

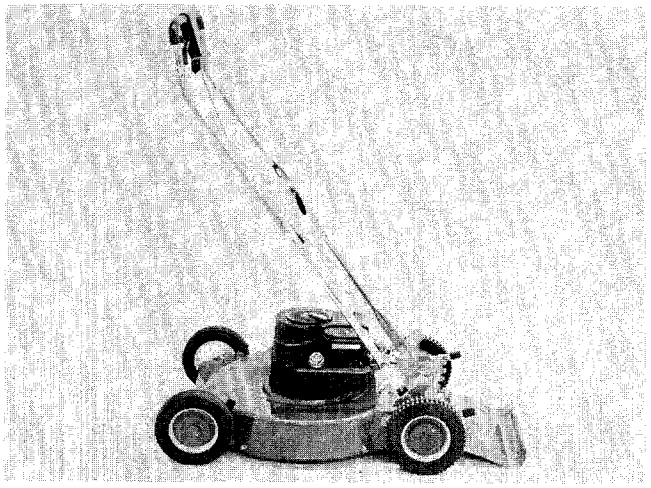


FIGURE 28.

The handle may also be folded away completely for storage.

1. Remove hairpin cotters from inner hole on weld pins on handle mount brackets. Place in outer hole.
2. Loosen the two hand knobs on each side of the handle.
3. Push inward on the bottom of each side of the lower handle, and push forward.
4. Fold the upper handle back and down as shown. See figures 29 and 30.

To take the handle out of storage position, proceed as follows.

1. Lift the upper handle up and towards the rear as shown.
2. Pull the handle back until it locks into the operator's position.
3. Tighten the two hand knobs securely.
4. Move the hairpin cotters to the inner hole on the weld pins.

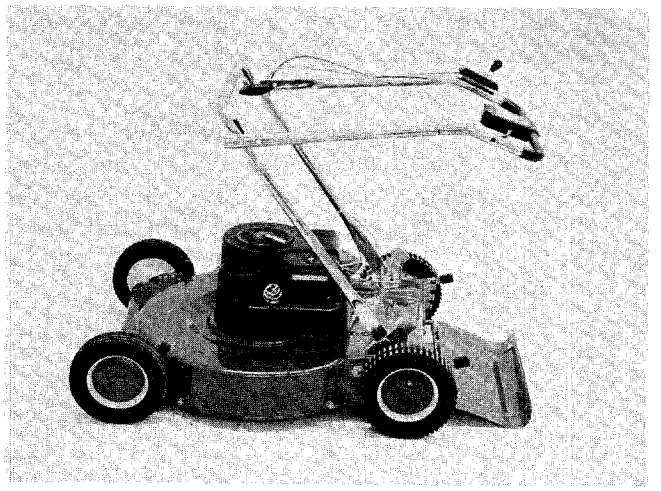


FIGURE 29.

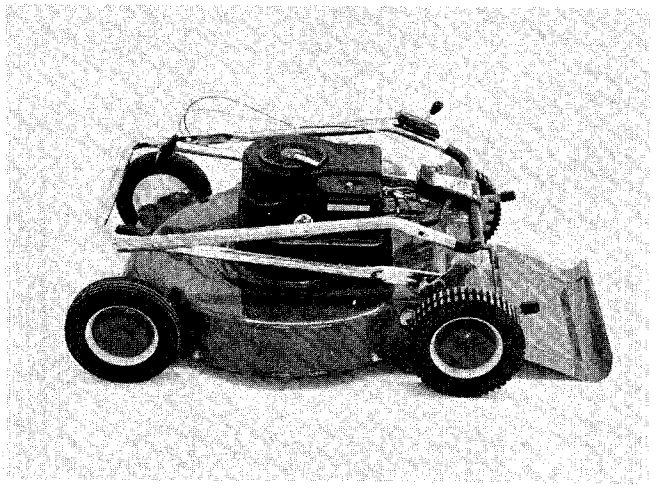


FIGURE 30.

OFF-SEASON STORAGE

If the machine is to be inoperative for a period longer than 30 days, the following procedures are recommended:

1. Working outdoors, drain all fuel from the fuel tank. Use a clean dry cloth to absorb the small amount of fuel remaining in the tank. Then run the engine until all fuel in the carburetor is exhausted.

WARNING

Do not drain fuel while smoking, or if near an open fire.

2. Drain all the oil from the crankcase (this should be done after the engine has been operated and is still warm). Refill the crankcase with clean new oil.
3. Disconnect the spark plug wire and remove the spark plug from the cylinder. Pour about 2 or 3 tablespoons of engine oil into the cylinder. Turn the engine over several times to spread out the oil. Replace the spark plug, but do not connect the wire.
4. Clean the engine and the entire mower thoroughly.
5. Lubricate all lubrication points.

NOTE

The use of any accessory on this Rotary Mower other than those manufactured by the mower manufacturer is **not** recommended.

GRASS CATCHER Model No.190-003A is available as optional equipment for the mower shown in this manual.

WARNING

1. The mower should not be operated without the entire grass catcher or chute deflector in place.
2. The mower should not be operated without the protective shield on the rear of the deck in place.

NOTE

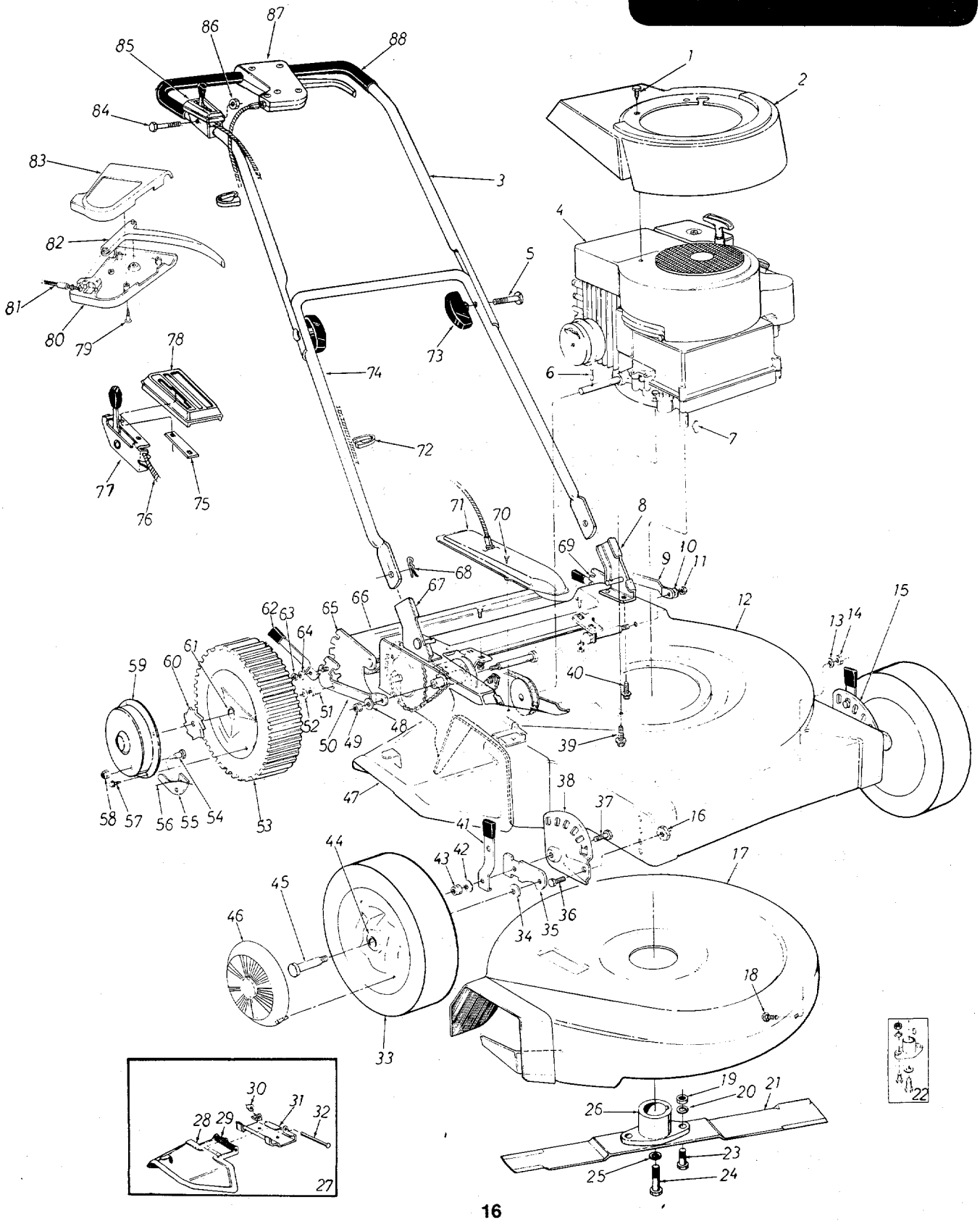
Under normal usage bag material is subject to wear and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.

For replacement bags, use only factory authorized replacement bag No. 764-0176.

120-280A

IF YOU WRITE TO US ABOUT THIS ARTICLE OR IF YOU ORDER REPLACEMENT PARTS ALWAYS MENTION THIS MODEL & SERIAL NO.

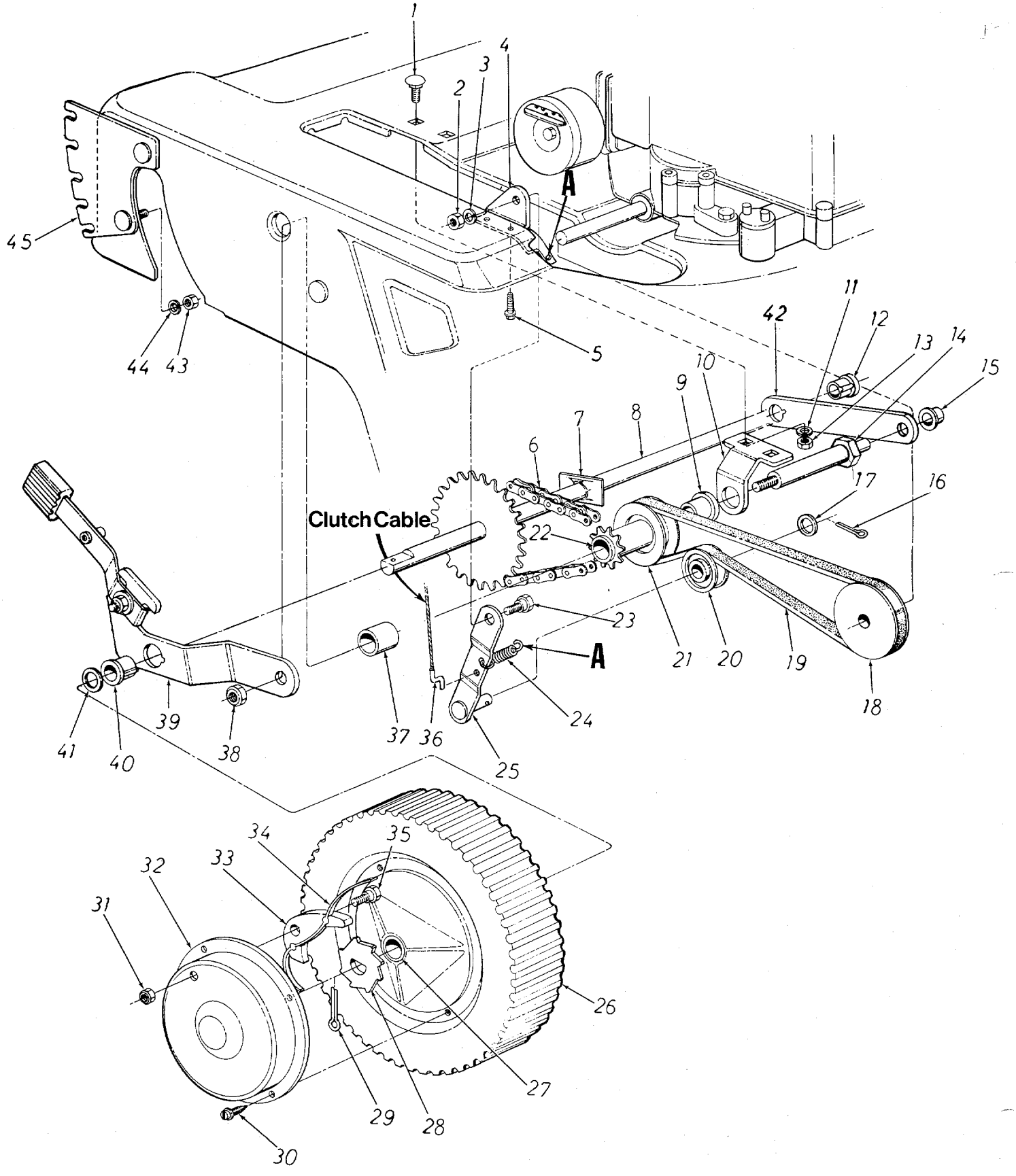
MODEL



PARTS LIST FOR MODEL 120-280A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	710-0227		Hex Wash. Hd. "AB" Tap. Scr. #8 x .50" Lg.	
2	731-0275		Engine Shroud	
3	749-0382		Upper Handle (Chrome)	N
4	—		Engine	
5	710-0405		Curved Hd. Carriage Bolt 3/8-24 x 1.50	
6	715-0105		Spring Pin Roll 3/16" Dia. x 1.50" Lg.	
7	714-0365		#6 Hi-Pro Key 5/32 x 5/8" Dia.	
8	12935		Handle Mount Brkt. Ass'y.—L.H.	
9	10638		Pivot Brkt. Ass'y.—L.H.	
10	736-0105		Bell-Wash. .400" I.D. x .88" O.D.	
11	712-0267		Hex Nut 5/16-18" Thd.*	
12	14179	—462	21" Deck Ass'y.—Upper	N
13	736-0119		L-Wash. 5/16" I.D.*	
14	712-0267		Hex Nut 5/16-18 Thd.*	
15	10941		Height Adjuster Ass'y. Comp.—L.H.	
	10935		Index Plate Ass'y.—L.H.	
16	712-0297		Oval Nut 3/8-16 Thd. (Special)	
17	11695	—462	Lower Deck Ass'y.	
18	710-0260		Carriage Bolt 5/16-18 x .62" Lg.	
19	712-0123		Hex Nut 5/16-24 Thd.*	
20	736-0119		L-Wash. 5/16" I.D.*	
21	742-0124		21" Blade	
22	10769		Blade Adapter Kit	
23	710-0117		Hex Bolt 5/16-24 x 1.00" Lg. Grade 5	
24	710-0459		Hex Bolt 3/8-24 x 1.50" Lg. Grade 5	
25	736-0217		L-Wash. 3/8" I.D.—Heavy Duty	
26	10769		Blade Adapter Kit	
27	11679	—462	Chute Deflector Ass'y.—Comp.	
28	11141	—462	Chute Deflector	
29	732-0253		Torsion Spring	
30	726-0106		Push Nut ¼" Rod	
31	11130	—462	Adapter Plate	
32	711-0555		Pivot Pin	
33	734-0661		Wheel Ass'y. Comp. 8.0 x 1.75 (Front)	
34	736-0105		Bell-Wash. .400" I.D. x .88" O.D.	
35	10937		Pivot Bar	
36	710-0209		Hex Sems Bolt 3/8-16 x .62" Lg.	
37	711-0498		Shoulder Bolt	
38	10938		Height Adjuster Ass'y. Comp.—R.H.	
	10934		Index Plate Ass'y.—R.H.	
39	710-0654		Hex Wash. Hd. Self-Tap Scr. 3/8-16 x .88" Lg.	N
40	710-0603		Hex Wash. Hd. "B" Tap. Scr. 5/16 x ½" Lg.	
41	14082		Spring Lever Ass'y. w/Knob	N
42	736-0219		Bell-Wash. .400" I.D. x 1.130 O.D.	
43	712-0116		Hex Ins. L-Nut 3/8-24 Thd.	
44	741-0262		Flange Bearing .50" I.D. x 1.13" O.D.	
45	738-0102		Shoulder Bolt .498" Dia. x 1.450" Lg.	
46	731-0124		Hub Cap—Front Wheel	
47	11679	—462	Chute Deflector Ass'y.—Comp.	
48	736-0105		Bell-Wash. .400" I.D. x .88" O.D.	
49	712-0267		Hex Nut 5/16-18 Thd.*	
50	10639		Pivot Brkt. Ass'y.—R.H.	
51	748-0142		Flange Bearing	
52	736-0105		Bell-Wash. .400" I.D. x .88" O.D.	
53	734-0880		Wheel Ass'y. Comp. 8.0 x 1.75 (Rear)	
54	738-0137		Shld. Bolt .342" Dia. x .268" Lg.	
55	748-0188		Pawl—Rear Wheel	
56	10622		Spring—Nylon	
57	710-0748		Pan Hd. "AB"-Tap Scr. #12 x .50	
58	712-0324		Hex Ins. L-Nut ¼-20 Thd.	
59	10647		Hub Cap—Rear Wheel	
60	748-0187		Ratchet—Rear Wheel	
61	741-0262		Flange Bearing .50" I.D. x 1.13" O.D.	
62	10531		Spring Lever Ass'y. w/Knob	
63	712-0342		Hex Jam Nut 3/8-16 Thd.	
64	736-0219		Belleville Washer	
65	10642		Index Plate Ass'y.—R.H.	
66	12250	—462	Rear Protective Shield Ass'y.—Comp.	
67	12936		Handle Mount Brkt. Ass'y.—R.H.	
68	714-0104		Internal Cotter Pin 5/16" Dia.	
69	10641		Index Plate Ass'y.—L.H.	
70	710-0224		Hex Wash. Hd. "AB"-Tap Scr. #10 x .50" Lg.	
71	14183	—462	Belt Cover	N
72	726-0188		Cable Tie	
73	09966		Hand Knob	
74	749-0373		Lower Handle (Chrome)	N
75	726-0134		Speed Nut #8-32 Twin Type	
76	746-0381		Conduit and Wire 48.0 x 2.94 Ext.	
77	746-0380		Throttle Control Ass'y. Comp.	
78	731-0344		Plastic Cover	
79	710-0535		Flat Countersunk "AB" Tap Scr. #10 x 1.00" Lg.	N
80	731-0407		Rear Cover	
81	746-0382		Clutch Control Cable 48.0" Lg. x 3.12 Ext.	N
82	731-0406		Clutch Control Lever	
83	731-0408		Front Cover	
84	710-0606		Hex Bolt ¼-20 x 1.50" Lg.*	
85	746-0380		Throttle Control Ass'y. Comp.	
86	712-0107		Hex L-Nut ¼-20 Thd.	
87	14177		Clutch Control Ass'y.—Comp.	N
88	718-0145		Grip	

120-280A



PARTS LIST FOR MODEL 120-280A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	710-0260		Carriage Bolt 5/16-18 x .62" Lg.*	
2	712-0267		Hex Nut 5/16-18 Thd.*	
3	736-0119		L-Wash. 5/16" I.D.*	
4	14180		Cam Bracket	N
5	710-0776		Hex Wash. Hd. "AB" Tap Scr. ¼-20 x .62" Lg.	N
6	713-0144		#48 Chain ½" Pitch x 31 Links	
	713-0122		#48 Master Link ½" Pitch	
7	726-0163		Push Clip .692 Dia.	
8	10646		Rear Shaft Ass'y.	
9	741-0249		Flange Bearing .631" I.D.	
10	10644		Bracket	
11	736-0119		L-Wash. 5/16" I.D.*	
12	748-0142		Flange Bearing	
13	712-0267		Hex Nut 5/16-18 Thd.*	
14	738-0473		Shld. Bolt .625" Dia. x 3.380 (Special)	N
15	726-0221		Cap Speed Nut .50" Dia.	
16	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.*	
17	736-0160		Fl-Wash. .531 I.D. x .930 O.D. x .050	
18	756-0115		Engine Pulley	
19	754-0114		"V"-Belt ½" x 24" Lg.	
20	756-0192		Plastic Flat Idler	
21	756-0191		Pulley with 9 Tooth Sprocket Ass'y.	
22	741-0181		Sleeve Bearing .62" I.D. x .75" O.D. x .94 Lg.	
23	738-0255		Shld. Bolt .375" Dia. x .171 Lg.	
24	732-0357		Ext. Spring .33" O.D. x 1.12" Lg.	
25	14181		Idler Bracket Ass'y.	N
26	734-0880		Rear Wheel Ass'y. Comp. 8.0 x 1.75	
27	741-0262		Flange Bearing—Plastic .50" I.D. x 1.13" O.D.	
28	748-0187		Ratchet—Rear Wheel	
29	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.*	
30	710-0748		Pan Hd. "AB" Tap Scr. #12 x .50" Lg.	
31	712-0324		Hex Ins. L-Nut ¼-20 Thd.	
32	10647		Hub Cap	
33	748-0188		Pawl—Rear Wheel	
34	10622		Spring—Nylon	
35	738-0137		Shld. Bolt .342" Dia. x .268" Lg.	
36	746-0382		Clutch Control Cable 48.0" Lg. x 3.12" Ext.	N
37	750-0477		Spacer .635 I.D. x .88 O.D. x .910	N
38	712-0267		Hex Nut 5/16-18 Thd.*	
39	10639		Pivot Bracket Ass'y.—R.H.	
40	748-0142		Flange Bearing	
41	736-0160		Fl-Wash. .531 I.D. x .93 O.D. x .050	
42	12967		Support Link	
43	712-0267		Hex Nut 5/16-18 Thd.*	
44	736-0119		L-Wash. 5/16" I.D.*	
45	10642		Index Plate Ass'y.—R.H.	

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

(462—Red Flake)

When ordering parts, if color or finish is important use the appropriate color code shown above. (e.g. Red Flake Finish—11427 (462).)

The engine is not under warranty by the mower manufacturer. If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines — Gasoline."



NOTE

This instruction manual covers various models and all specifications shown do not necessarily apply to your model. Specifications subject to change without notice or obligation.

PARTS INFORMATION

POWER EQUIPMENT PARTS AND SERVICE

Parts and service for all MTD manufactured power equipment are available through the authorized service firms listed below. All orders should specify the model number of your unit, parts number, description of parts and the quantity of each part required.

ALABAMA	**BIRMINGHAM**		
Auto Electric & Carburetor Co.	2625 4th Ave. S.	35233	
ARKANSAS	**FORT SMITH**		
Mity Mite Motors, Inc.	4515 South 16th Street	72901	
	NORTH LITTLE ROCK		
Sutton's Lawn Mower Shop	Rt. 4 Box 368	72117	
CALIFORNIA	**PORTERVILLE**		
Billious	75 North D Street	93257	
	SAN BERNARDINO		
Lawn Mower Supply Co	25608 E. Baseline	92410	
	SAN FRANCISCO		
J.W. Jewett Co.	981 Folsom St.	94107	
COLORADO	**DENVER**		
South Denver Lawn Equip.	527 West Evans	80223	
FLORIDA	**JACKSONVILLE**		
Radco Distributors	2403 Market St.	32206	
	OPA LOCKA		
Small Eng. Dist.	2351 N.W. 147th St.	33054	
GEORGIA	**EAST POINT**		
East Point Cycle & Key	2834 Church St.	30344	
ILLINOIS	**LYONS**		
Keen Edge Co.	8615 Ogden Ave.	60534	
INDIANA	**ELKHART**		
Parts & Sales Inc.	2101 Industrial Pkwy.	46514	
IOWA	**DUBUQUE**		
Power Lawn & Garden Equip.	2551 J.F. Kennedy	52001	
LOUISIANA	**NEW ORLEANS**		
Suhren Engine Co.	8330 Earhart Blvd.	70118	
MARYLAND	**TAKOMA PARK**		
Center Supply Co.	6867 New Hampshire Ave.	20012	
MASSACHUSETTS	**SPRINGFIELD**		
Morton B. Collins Co.	300 Birnie Ave.	01107	
MICHIGAN	**LANSING**		
Lorenz Service Co.	2500 S. Pennsylvania	48910	
	MOUNT CLEMENS		
Power Equipment Dist.	36463 South Gratiot	48043	
MINNESOTA	**HOPKINS**		
Hance Distributing Inc.	420 Excelsior Ave. W.	55343	
	ST. PAUL		
Power Tools Inc.	3771 Sibley Memorial Hwy.	55122	
MISSISSIPPI	**BILOXI**		
Biloxi Sales & Service, Inc.	506 Caillavet St.	39533	
MISSOURI	**KANSAS CITY**		
Automotive Equip. Service	3117 Holmes St.	64109	
	ST. JOSEPH		
Ross-Frazier Supply Co.	8th and Monteray	64503	
	ST. LOUIS		
Henzler, Inc.	2015 Lemay Ferry Rd.	63125	
NEW JERSEY	**BELLMAWR**		
Lawnmower Parts Inc.	717 Creek Rd.	08030	
	RUTHERFORD		
Feld Distributor	28 Glen Rd.	07070	
NEW YORK	**CARTHAGE**		
Gamble Dist., Inc.	West End Ave.	13619	
	SYRACUSE		
GTP Leisure Products Inc.	420 Marcellus St.	13204	
NORTH CAROLINA	**GOLDSBORO**		
Smith Hardware Co.	515 N. George St.	27530	
	GREENSBORO		
Dixie Sales Company	327 Battleground Ave.	27402	
OHIO	**CARROLL**		
Stebe's Mid-State Mower Supply	Box 366-71 High St.	43112	
	CLEVELAND		
Bleckrie, Inc.	7900 Lorain Ave.	44102	
	WADSWORTH		
National Central	687 Seville Rd.	44281	
	YOUNGSTOWN		
Burton Supply Co.	1301 Logan Ave. Box 929	44501	
OKLAHOMA	**ADA**		
Ada Auto Supply	301 E. 12th St.	74820	
	MUSKOGEE		
Victory Motors, Inc.	605 S. Cherokee	74401	
	OKLAHOMA CITY		
Forest Sales Inc.	1039 NW 63rd St.	73116	
OREGON	**PORTLAND**		
Kenton Supply Co.	8216 N. Denver Ave.	97217	
PENNSYLVANIA	**CHESTER**		
Stull Equipment Corp	742 W. Front St.	19013	
	HARRISBURG		
EECO Inc.	4021 N. 6th St.	17110	
	PHILADELPHIA		
Thompson Rubber Co.	5222-24 N. Fifth St.	19120	
	PITTSBURGH		
Bluemont Co.	11125 Frankstown Rd.	15235	
TENNESSEE	**KNOXVILLE**		
Master Repair Service.	2000 Western Ave.	37921	
	MEMPHIS		
Memphis Cycle & Supply Co.	421 Monroe Ave.	38103	
American Sales & Service, Inc.	1922 Lynnbrook	38116	
TEXAS	**DALLAS**		
Marr Brothers, Inc.	423 E. Jefferson	75203	
	FORT WORTH		
Woodson Sales Corp.	1702 N. Sylvania	76111	
	HOUSTON		
Bullard Supply Co.	2409 Commerce St.	77003	
	SAN ANTONIO		
Catto & Putty, Inc.	414 Live Oak	78298	
UTAH	**SALT LAKE CITY**		
A-1 Engine & Mower Co.	437 E. 9th St.	84111	
VERMONT	**BURLINGTON**		
Vermont Hdwe. Co. Inc.	180 Flynn Ave.	05401	
VIRGINIA	**RICHMOND**		
RBI Corp.	963 Myers St.	23260	
WASHINGTON	**SEATTLE**		
Bailey's Inc.	1414 14th Ave.	98102	
WEST VIRGINIA	**CHARLESTON**		
Young's, Inc.	233 Virginia St., E.	25301	
WISCONSIN	**APPLETON**		
Automotive Supply Co.	123 S. Linwood Ave.	54911	

BRIGGS AND STRATTON, TECUMSEH AND PEERLESS PARTS AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing **Engines—Gasoline**, Briggs & Stratton or Tecumseh Lauson.

WARRANTY PARTS AND SERVICE POLICY

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use and maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility; if it's the customer's fault, it's the customer's responsiblity.

CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES

1. **Replacement of Missing Parts** on new equipment.
2. **Replacement of Defective Parts** within the warranty period.
3. **Repair of Defects** within the warranty period.

All claims MUST be substantiated with the following information:

1. **Model Number** of unit involved.
2. **Date** unit was purchased or first put into service.
3. **Date of failure.**
4. **Nature of failure.**